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E. Hospitalier for his works on the study of phenomena which by their rapidity and frequency baffle ordinary methods of analysis.

MR. H. C. RUSSELL, government astronomer of New South Wales, will retire at the end of the present year, after a service of forty-six years.

DR. A. P. LUFF has resigned his appointment as scientific analyst to the Home Office of the British government. Dr. W. H. Wilcox has been recommended by the Council of the Royal College of Surgeons of England, as his successor.

DR. JOHN BELL HATCHER, curator of vertebrate zoology at the Carnegie Museum, Pittsburgh, died on July 4 from typhoid fever, at the age of forty-six years.

WE regret to record the death of M. Anatole de Barthélemy, the eminent French archeologist, at the age of eighty-three years; of Dr. W. Weiss, professor of mathematics at the German Technological Institute of Prague, on June 18, at the age of forty-five years; of Dr. V. Merz, formerly professor of chemistry at Zurich; of Dr. Gilles de la Tourette, the well-known French alienist; of Mr. Edward Trimmer, for thirty-six years secretary of the Royal College of Surgeons, England; and of Lieutenant-General Dubrovin, who was for a long time secretary of the Imperial Academy of Sciences at St. Petersburg.

THE *Geographical Magazine* states that the Russian Geographical Society, with the aid of money subscribed by a private person, is organizing a new expedition for the exploration of the northern coasts of Siberia, between the Yenisei and the Lena. The head of the expedition will be M. Tolmacheff, already known for his journeys and explorations in Russian Asia.

IN January, 1905, the Bombay branch of the Royal Asiatic Society proposes to celebrate the centenary of its foundation by a public gathering, at which papers will be read and an exhibition of the possessions of the society held.

THE International Astronomical Congress will meet at Lund, Sweden, beginning on September 5.

THE subject of the essays for the Howard medal of the Royal Statistical Society for 1905 will be 'A Critical Inquiry into the Comparative Prevalence of Lunacy and other Mental Defects in the United Kingdom during the last 50 years.'

A *conversazione* of the Institution of Electrical Engineers was held on June 28 in the Natural History Museum, London. The guests, who numbered about 1,500, were received by Mr. R. K. Gray, president, and Mr. Alexander Siemens, president-elect.

A CABLEGRAM to the daily papers from London, dated July 8, says that the annual report of the Cancer Research Fund was submitted at the third annual meeting. It stated that the investigations of the year had resulted in discoveries having an important bearing on several crucial problems in connection with the disease, knowledge of which had been greatly increased. Briefly and untechnically stated the new facts are that cancer pervades the whole civilized and uncivilized world. Hence it is not, as was supposed, a product of civilization. It affects animals as well as human beings, and also fishes. It attacks all subjects at relatively the same age. It is not infectious and is not transmissible from one species to another. The cancer cell can reacquire powers of self-propagation. Cancer is not attributable to a parasite. It is not increasing. Experiments have not shown that radium exercises a curative effect.

UNIVERSITY AND EDUCATIONAL NEWS.

By the death of Mrs. Susan W. Clark, Clark University will receive \$400,000, left in trust for her use, and a further sum of \$50,000 to \$75,000 from her estate.

MR. JOHN D. ROCKEFELLER has given Denison Baptist University, Newark, Ohio, \$100,000.

It is reported that the Sheffield Scientific School, Yale University, will have a large en-

tering class. There were 326 freshmen last year, against 207 the previous year. The returns from the entrance examinations show that there were 730 candidates for admission to the school against 651 a year ago, an increase of 79. Of these there were 372 last June, a gain of 36. There was a similar increase in the candidates who took the preliminary papers. The number this year was 358 against 315 last year, a gain of 43.

DR. CHARLES SCHUCHERT, of the U. S. National Museum, has been appointed professor of historical geology in the Sheffield Scientific School of Yale University and curator of the geological collections in succession to the late Professor Beecher.

DR. DICKINSON S. MILLER, instructor in philosophy in Harvard University, has been elected lecturer in philosophy at Columbia University.

RECENT changes in the scientific faculty of the State University of Iowa are as follows: The department of physics has been divided, Professor A. A. Veblen retaining the chair of experimental physics, while Professor A. G. Smith has been transferred from the chair of mechanics in the department of mathematics to a new chair of physics and mechanics. Dr. R. T. Wells will continue to act as professor in charge of electrical and mechanical engineering. The chair of civil engineering, made vacant by the resignation of Professor A. V. Sims, will be filled before the opening of the coming academic year. Following the resignation of Dr. L. W. Andrews from the chair of chemistry in the college of liberal arts the reorganization of the work of instruction in this branch for the entire university has been assigned to Dr. E. W. Rockwood, heretofore professor of chemistry and toxicology in the colleges of medicine. An instructorship in metallurgy has been established which is yet to be filled. Additional instructors in mathematics and in mechanical drawing are also to be appointed.

THE following additions have been made to the faculty in the scientific departments of the University of Kansas: H. D. Hess, of Lehigh

University, 1896, has been elected associate professor of mechanical engineering and director of the Fowler shops; Albert K. Hubbard, Yale, 1901, assistant professor of civil engineering; George F. Kay, Ph.D. (Chicago, 1904), Toronto University, 1902, assistant professor of geology and mineralogy; Robert W. Curtis, Ph.D. (Yale, 1904), Trinity, 1896, assistant professor of chemistry; Wm. J. Baumgartner, Ph.D. (Chicago, 1904), University of Kansas, 1900, instructor in zoology; Charles G. Rogers, Ph.D. (California), instructor in physiology.

THE following appointments were made in the medical faculty of the Johns Hopkins University: Dr. Percy M. Dawson, associate professor of physiology; Dr. Joseph Erlanger, associate professor of physiology; Dr. Warren H. Lewis, associate professor of anatomy; Dr. Arthur S. Lowenhardt, associate in physiological chemistry and pharmacology; Ernest G. Martin, Ph.D., instructor in physiology; Dr. Augustus G. Pohlman, instructor in anatomy; and Dr. George L. Streeter, instructor in anatomy.

A FELLOWSHIP is vacant in the Department of Chemistry, Ohio State University, Columbus, Ohio. The value of the fellowship is \$300 and in addition the student is exempt from all fees. Applicants should apply to Professor William McPherson.

THE Yale corporation has accepted the resignation of Professor George Trumbull Ladd, head of the department of mental philosophy and metaphysics.

PROFESSOR DES COUDRES has been appointed director of the newly established laboratory for theoretical physics at Leipzig.

A NEW chemical laboratory has been dedicated at Karlsruhe which will be under the direction of Professor Engler.

PROFESSOR KREHL, of Tübingen, has been invited to the chair of medicine at Strassburg, left vacant by Professor Naunyn's retirement.

DR. JOS. WELLSTEIN, professor of mathematics at Giessen, has been called to Strassburg.